

CLAIMS

What is claimed is:

1. A computer-implemented method for automatically configuring a translation code, the method comprising the steps of:
 - translating data within a server into a data format required by a client using the translation code;
 - transmitting the translated data from the server to the client;
 - transmitting a change of the data format from the client to the server in a data object definition message; and
 - automatically adapting the translation code to the changed data format upon receipt of the data object definition message.
2. The computer-implemented method of claim 1, wherein the data object definition message is automatically transmitted from the client to the server upon change of the data format within the client.
3. The computer-implemented method of claim 2, wherein the translation code is adapted to the changed data format within a translation code generator upon receipt of the data object definition message.
4. The computer-implemented method of claim 2, wherein the translated data is transmitted from the server to the client using a standard object description language.

5. The computer-implemented method of claim 2, wherein the data object definition message is transmitted from the client to the server using a standard object description language.

6. The computer-implemented method of claim 2, wherein the data format required by the client is extracted and translated from the stored data by the translation code prior to sending the translated data from the server to the client.

7. The computer-implemented method of claim 2, wherein the translation code uses XSL for translating the data into said the data format required by the client.

8. The computer-implemented method of claim 2, wherein the server provides a data object definition message format.

9. The computer-implemented method of claim 2, further comprising the step of managing access to the server by the data object definition messages via an authorization management procedure.

10. The computer-implemented method of claim 2, further comprising the step of managing data formats of different clients via a version management procedure.

11. The computer-implemented method of claim 1, wherein, upon change of the data format, the server requests the data object definition message from the client and the client transmits the data object definition message upon request to the server.

12. The computer-implemented method of claim 11, wherein the server automatically detects changes in the data format of data associated with the server.

13. The computer-implemented method of claim 12, wherein the changes in the data format are detected by version identification.

14. The computer-implemented method of claim 12, wherein the changes in the data format are detected during an exchange of master data between the server and the client.

15. The computer-implemented method of claim 11, wherein the translation code is adapted to the changed data format within a translation code generator upon reception of the data object definition message.

16. The computer-implemented method of claim 11, wherein the translated data is transmitted from the server to the client using a standard object description language.

17. The computer-implemented method of claim 11, wherein the data object definition message is transmitted from the client to the server using a standard object description language.

18. The computer-implemented method of claim 11, wherein the data required by the client is extracted and translated from the stored data by the translation code prior to sending the translated data from the server to the client.

19. The computer-implemented method of claim 11, wherein the translation code uses XSL for translating the data into the data format used by the client.

20. The computer-implemented method of claim 11, wherein the server provides a data object definition message format.

21. The computer-implemented method of claim 11, further comprising the step of managing access to the server by the data object definition messages via an authorization management procedure.

22. The computer-implemented method of claim 11, further comprising the step of managing data formats of different clients via a version management procedure.

23. A computer program product readable by a computer and embodying a program of instructions capable of automatically configuring a translation code, the program comprising instructions operable to cause the computer to perform the steps of:

translating data into a data format required by a client using a translation code within the server;

transmitting the translated data from the server to the client;

transmitting a change of the data format from the client to the server via a data object definition message; and

automatically adapting the translation code to the changed data format upon the server's reception of the data object definition message.

24. The computer program product of claim 23, wherein the program further comprises instructions operable to cause the computer to automatically transmit the data object definition message from the client to the server upon change of the data format within the client.

25. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to adapt the translation code to the changed data format within a translation code generator upon reception of the data object definition message.

26. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to transmit the translated data from the server to the client using a standard object description language.

27. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to transmit the data object definition message from the client to the server using a standard object description language.

28. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to extract and translate(, via a translation code procedure?,) the data required by the client from the stored data prior to sending the translated data from the server to the client.

29. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to use XSL in the translation code for translating the data into the data format used by the client.

30. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to provide, via the server, a data object definition message format.

31. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to manage, via an authorization management process, access to the server by the data object definition messages.

32. The computer program product of claim 24, wherein the program further comprises instructions operable to cause the computer to manage, via a version management procedure, data formats of different clients.

33. The computer program product of claim 23, wherein the program further comprises instructions operable to cause the computer, upon change of the data format, to initiate a server request for the data object definition message from the client and to transmit the data object definition message upon request from the client to the server.

34. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to automatically detect changes in the data format by the server. (?)

35. The computer program product of claim 34, wherein the program further comprises instructions operable to cause the computer to detect the changes in the data format by use of a version identification procedure.

36. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to detect the changes in the data format during an exchange of master data between the server and the client.

37. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to adapt the translation code to the changed data format within a translation code generator upon reception of the data object definition message.

38. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to transmit the translated data from the server to the client using a standard object description language.

39. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to transmit the data object definition message from the client to the server using a standard object description language.

40. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to extract and translate the data

required by the client from the stored data, via a translation code procedure, prior to sending the translated data from the server to the client.

41. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to use XSL in the translation code for translating the data into the data format used by the client.

42. The computer program product of claim 33, wherein the program further comprising instructions operable to cause the computer to provide, via the server, a data object definition message format.

43. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to manage, via an authorization management procedure, access to the server by the data object definition messages.

44. The computer program product of claim 33, wherein the program further comprises instructions operable to cause the computer to manage, via a version management procedure, data formats of different clients.

45. A client-server computer system capable of automatically configuring a translation code, the system comprising:

a code generator, associated with the server, that provides the translation code and that includes a subcomponent that adapts the translation code automatically to a change of data format upon receipt of a data object definition message; and

means, which uses the translation code provided by the code generator, for translating data into a data format required by a client;

wherein translated data and the change of data format with the data object definition message are transmitted from the server to the client.

46. The computer system of claim 45, wherein the translating means extracts the information required by the client from the data prior to sending the translated data from the server to the client.

47. The computer system of claim 45, further comprising a managing procedure that manages the data format of the data object definition message.

48. The computer system of claim 45, further comprising an access control procedure that controls access to the server by the data object definition messages.

49. The computer system of claim 45, further comprising a detection procedure that automatically detects changes in the data format.